





Redefining Plywood

The Plytech Green range offers Birch plywood panels that don't compromise on any technical properties while reducing the carbon footprint from production to all end-uses. Replacing fossil phenol with bio-based lignin glue has led to an improved environmental performance.

Plytech Green

Plytech Green is our technological breakthrough in green glueing solutions. Natural renewable lignin is used as a replacement for traditional fossil products. Lignin is a recyclable and ecologically friendly product, abundantly available in all in trees.

It is a wood component that gives plants shape and stability as a kind of connector, solidifying the cell walls.

Plant-based adhesive Lineo (Lignin) is made from sustainably sourced wood by Stora Enso, a leader in sustainability. FSC® and PEFC™ chain-of-custody certifications, as well as ISO 14001, ISO 9001, ISO 50001 and ISO45001 accreditations.



Main Benefits

Sustainability

- Eco-friendly substitute of fossil products
- Meeting environmental criteria
- Meets LBC and Greenstar targets/credits
- Better quality of life in a healthier environment
- Renewable raw material with sustainable origin

Competitive Edge

- Increased profitability–ecological argumentation
- Reduced carbon footprint
- Reduced VOC & Formaldehyde emissions
- Stable cost structure
- Green product developments for sustainable living

*Potential environmental impact
reduced by as much as*

*49%**

*Potential Global warming
impact decreased by*

*26%**

Therefore, we are excited to be offering a sustainable solution to our customers who wish to live more eco-friendly, climate positive lifestyles.

* Figures from RIGA ECOlogical Latvijas Finieris

Living Building Challenge

Complies to Living Building Challenge:

- Health & Happiness Petal
- Materials Petal

Greenstar

Plytech Green counts towards the 13.2 Engineered Wood Products, 20.2 Timber, and 21 Sustainable Materials credits for Green Star Certification

- **Credit 13.2 Engineered Wood Products:
13.2B Laboratory Testing:**

All engineered wood products used in the building must meet the relevant limits specified in Table 13.2B as per the specified test protocol, or have product specific evidence that it contains no formaldehyde.

- **Credit 20.2 Timber:**

Timber and timber products sourced from certified forests must be accompanied by a relevant Chain of Custody (CoC) in order to be recognised as certified timber. Currently, FSC International and PEFC-accredited forest certification schemes are recognised as compliant within this criterion.

- **Credit 21 Sustainable Materials:**

Products that hold either product specific EPD or industry - wide EPD contribute to project points.



Renewable

Replacing fossil phenol with bio-based lignin - reduction of carbon footprint.

Stable Cost Structure

Reduced dependency on fossil raw material bringing in security of supply.

High Performance

Superior mechanical properties - elasticity, bonding, bending.

Consistent Quality

Consistent utmost product performance.

Traceability

Sustainability managed raw material resource.

Eco-friendly & Safe

High environmental performance in both manufacture & end use.

Natural

Use of wood-based non-toxic raw material.

Innovation

Building the future towards a new sustainable plywood industry.



Trees are one of our most valuable resources, a truly renewable material that is at the very core of our business. When we use them, we make sure to use their full potential investigating every possible application for every single component. Lignin is a by-product from the manufacture of paper. It is the second most abundant organic polymer on Earth, exceeded only by cellulose. This makes it an abundant and renewable natural resource.

We believe that everything made from fossil-based materials today, can be made from a tree tomorrow.

Naturally better

the Plywood

Latvijas Finieris

Birch Plywood is manufactured by Latvijas Finieris at mills in Latvia and Estonia with logs sourced from Latvia and Lithuania, all member states of the European Union.



Global leader of performance-oriented birch plywood solutions.

Manufactured using 100% renewable energy.

FSC, PEFC Certified

Environmental Product Declaration

ISO14001, ISO9001, ISO50001 and ISO45001 accreditations.

Extensive info available on the Latvijas Finieris website: www.finieris.com/en/home

the Glues

Stora Enso

Bio-based Lignin glue produced by Stora Enso at their Sunila Mill in Kotka, Finland.



Global leader of renewable solutions in packaging, biomaterials, wooden construction and paper.



Birch Elite – A Grade

Birch Elite is a premium panel manufactured exclusively for Plytech and used for top-end architectural applications. It is constructed using only the finest A-grade birch veneer, ensuring a consistent high quality.

Available uncoated or finished with an Ultra-Matt UV-cured polyurethane lacquer or a Satin White Translucent Tint.

2440 x 1220 x 12.0mm/ 9ply, 18.0mm/13ply



Birch Décor – Walnut

European Birch plywood with an AB-grade Crown Cut Walnut veneer pressed on both faces. A cost-effective and premium choice, providing a beautiful natural Walnut finish with a unique Birch edge detail.

Available uncoated and pre-finished with a clear lacquer.

2440 x 1220 x 18.0mm/ 13ply, 24mm/17ply







Birch Décor – Oak

A European Birch plywood with an AB grade ¼ cut American White Oak veneer pressed on both faces. Birch Décor - Oak is a cost-effective and premium choice, providing a beautiful natural Oak finish with a unique Birch edge detail.

Available uncoated and pre-finished with a clear lacquer.

2440 x 1220 x 18.0mm/ 13ply, 24mm/17ply



Polaris HPL – Super Matt

European Birch finished with an innovative solid 1mm through-colour matt laminate perfect for use in cafes, homes, schools and any commercial space.

The HPL's are manufactured by Abet Laminate in Italy, one of the world's leading manufacturers of high-pressure decorative laminates. FSC and PEFC certified.

Finishes: White, Dark Grey, Graphite, Black.

3000 x 1250 x 19mm/13ply, 25mm/17ply



Anti-fingerprint



Low light reflectivity



Anti-bacterial properties



Scratch resistant



Heat resistant



Thermal healing







Futura HPL

European Birch plywood finished on both faces with a premium hard-wearing decorative laminate. Available in a range of colours and wood finishes.

The HPL's are manufactured by Egger in Germany., world leader in wood-based solutions. FSC and PEFC certified.

2440 x 1220 x 18mm/13ply – White, Porcelain, Taupe Grey, Stone Grey, Lava, Black, Saffron, Wasabi, Denim, Mandal Maple, Sorano Oak, Carini Walnut

2440 x 1220 x 24mm/17ply White, Porcelain, Taupe Grey, Stone Grey, Lava, Black

2440 x 1220 x 35mm/25ply White, Black

3050 x 1220 x 18mm/13ply White



